

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A sample analyzing system for analyzing a sample, comprising:

an analyzing unit for analyzing requested item of a measured sample;

an analysis related information database for holding analysis related information necessary for analyzing said sample;

a database manager for storing inputted said analysis related information into said analysis related information database and outputting information from said analysis related information database; and

a data access controller for controlling storing said analysis related information into said analysis related information database and outputting therefrom in a text-based file format provided with a header defining a data item identifier for each data item and functioning as a key field for data retrieval of each data item[[,]];

a data import controller for importing into the database reagent data and reference sample data of the sample to be analyzed, which is collected by a remote computer, in the same text-based file format as the stored analysis related information; and

wherein said analysis related information is stored in the text-based file format as a data storage format by each data item in the database, thereby enabling inputting and retrieving directly from said database without data format conversion.

Claim 2 (Original): The sample analyzing system according to claim 1, further comprising:

an on-line communication unit for exporting said analysis related information into a database in other computer connected outside to said system and importing said analysis related information from said other computer into said analysis related information database.

Claim 3 (Original): The sample analyzing system according to claim 2, wherein said on-line communication unit imports and exports said analysis related information in a file format provided with a header defining a data item identifier for each data item.

Claim 4 (Original): The sample analyzing system according to claim 1, wherein said file format is XML format.

Claim 5 (Original): The sample analyzing system according to claim 1, wherein said file format is CSV format.

Claim 6 (Original): The sample analyzing system according to claim 1, further comprising:

an editor for editing said analysis related information.

Claim 7 (Original): The sample analyzing system according to claim 1, further comprising:

a display unit for displaying said analysis related information.

Claim 8 (Currently Amended): A sample analyzing system for analyzing a sample, comprising:

an analyzing unit for analyzing requested item of a measured sample;

an analysis related information database for holding analysis related information necessary for analyzing said sample;

a database manager for storing inputted said analysis related information into said analysis related information database and outputting information from said analysis related information database; and

a data access controller for converting said analysis related information into a file format provided with a header defining a data item identifier for each data item and functioning as a key field for data retrieval of each data item[[,]];

a data import controller for importing into the database reagent data and reference sample data of the sample to be analyzed, which is collected by a remote computer, in the same text-based file format as the stored analysis related information; and

wherein said analysis related information is imported into said database and exported from a remote computer in the text-based file format as a data storage format by each data item in the database, thereby enabling accessing of said analysis related information directly without data format conversion.

Claim 9 (Original): The sample analyzing system according to claim 8, further comprising:

an editor for editing said header of converted analysis related information as an item name.

Claim 10 (Original): The sample analyzing system according to claim 9, further comprising:

an I/O controller for controlling display of inputting and outputting screen accessing said analysis related information database according to the editing in said editor.

Claim 11 (Original): The sample analyzing system according to claim 8, further comprising:

an on-line communication unit for exporting said analysis related information into a database in other computer connected outside to said system and importing said analysis related information from said other computer into said analysis related information database.

Claim 12 (Original): The sample analyzing system according to claim 11, wherein said on-line communication unit imports or exports said analysis related information in a file format provided with a header defining a data item identifier for each data item.

Claim 13 (Original): The sample analyzing system according to claim 8, wherein said converted file is described in XML format.

Claim 14 (Original): The sample analyzing system according to claim 8, wherein said converted file is described in CSV format.

Claim 15 (Currently Amended): A sample analyzing system for analyzing a sample, comprising:

an analyzing unit for analyzing requested item of a measured sample;

a first storage device for holding analysis related information necessary for analyzing said sample;

a database manager for storing inputted said analysis related information into said first storage device and outputting information from said first storage device; and

a backup recovery processor for backing up all or part of said analysis related information stored in said first storage device into a second storage device other than said first storage device, and, if necessary, restoring the backed up analysis related information in said second storage device into said first storage device,

wherein each backed up piece of information is provided with tag information identifying at least one of analyzing device, time stamp, and correction information, and

wherein said backup recovery processor backs up said analysis related information in a plurality of steps by data items of said analysis related information in accordance with a volume of data targeted for backup.

Claim 16 (Original): The sample analyzing system according to claim 15, further comprising:

a controller for controlling storing said analysis related information into said first storage device and backing up thereof in said second storage device in a file format provided with a header defining a data item identifier for each data item.

Claim 17 (Original): The sample analyzing system according to claim 15, further comprising:

a controller for converting said analysis related information into a file format provided with a header defining a data item identifier for each data item when storing said analysis related information into said first storage device and outputting backing up thereof in said second storage device.

Claim 18 (Original): The sample analyzing system according to claim 15, further comprising:

a display unit for displaying a selecting screen for selecting target information to be backed up into said second storage device from information in said first storage device or target information to be restored into said first storage device from information in said second storage device.

Claim 19 (Original): The sample analyzing system according to claim 15, further comprising:

an online communication unit for connecting said first storage device and said second storage device with online network.

Claim 20 (Original): The sample analyzing system according to claim 16, wherein said file format is XML format or CSV format.

Claim 21 (Original): The sample analyzing system according to claim 17, wherein said file format is XML format or CSV format.